

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P566669

Luminaire Tested: **4SNX-63SL-FDL-UNV-L950-CD**

Issue Date: 9/15/2022



Test Information

Test Method: LM-79-08
Report Number: P566669
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G3-2202-547-15)
Test Lab: INNOVATION CENTER
Issue Date: 9/15/2022
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 4SNX-63SL-FDL-UNV-L950-CD
Description: 4FT 6300 LUMEN, SNX FIXTURE WITH 5000K, 90CRI LEDS AND FDL LENS
Light Source: -
Ballast/Driver: -

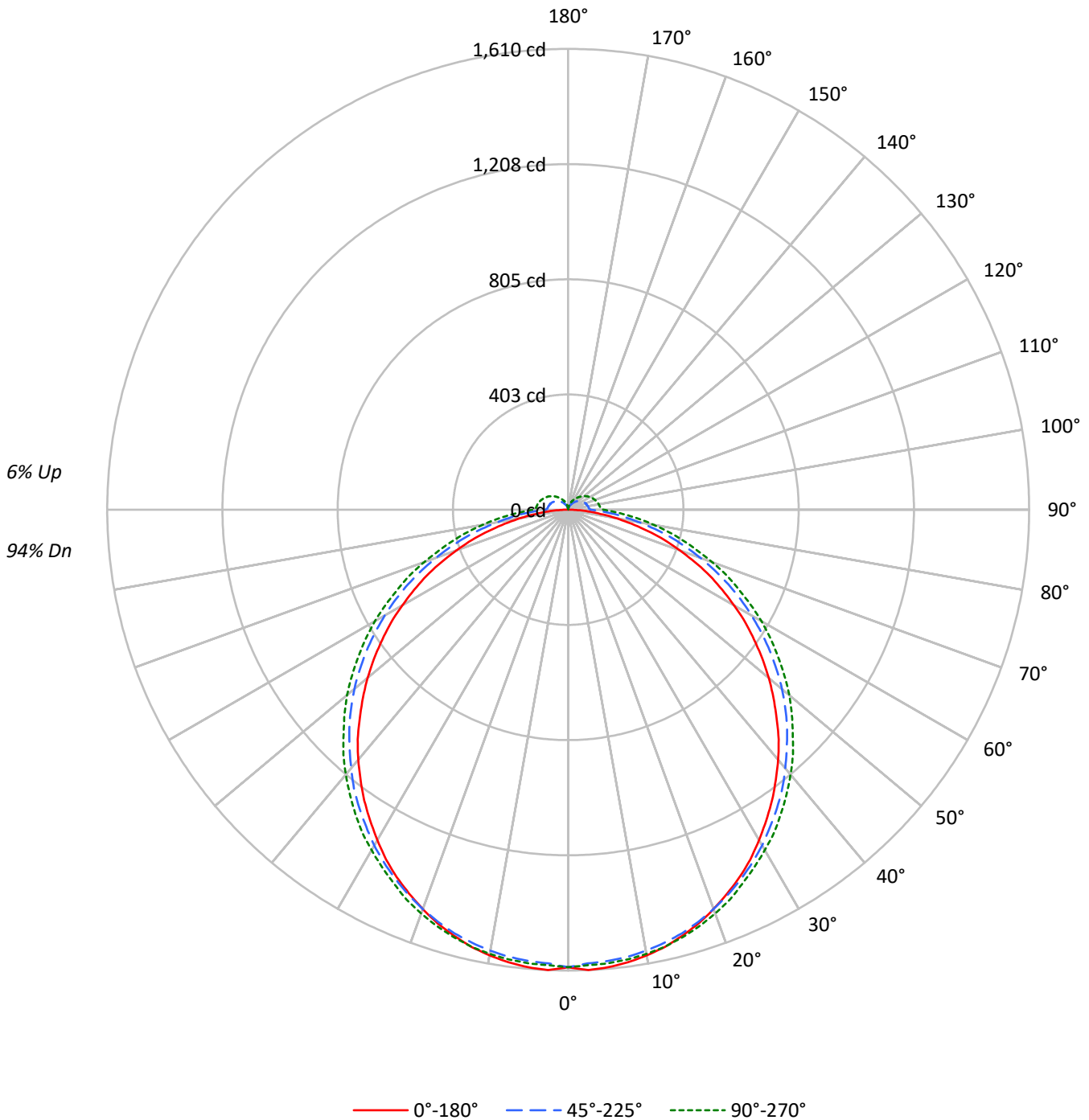
Summary

Lumens per Lamp: N/A
Luminaire Lumens: 5079.1 lumens
Efficiency: N/A
Efficacy: 114.4 lumens/watt
Spacing Criteria (0/90/45): 1.24 / 1.28 / 1.38
Luminous Opening: Rectangular w/ Sides (W: 0.25' x L: 4' x H: 0.04')
CIE Type: Direct

Input Watts (W): 44.4
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT

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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20				20				20				20				20	
RC	80				70				50				30				10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	0
RCR																		
0	118	118	118	118	114	114	114	114	108	108	108	102	102	102	97	97	97	94
1	107	102	97	93	103	99	95	91	93	90	87	88	86	83	84	82	80	77
2	97	88	81	75	93	86	79	74	81	76	71	77	73	69	73	69	66	64
3	88	77	69	62	85	75	67	61	71	65	59	68	62	57	64	60	56	53
4	80	68	59	52	78	66	58	52	63	56	50	60	54	49	57	52	48	45
5	74	61	52	45	71	59	51	44	56	49	43	54	47	42	51	46	41	39
6	68	55	46	39	66	53	45	39	51	43	38	49	42	37	47	41	36	34
7	63	49	41	34	61	48	40	34	46	39	33	44	38	33	43	37	32	30
8	59	45	36	31	57	44	36	30	42	35	30	41	34	29	39	33	29	27
9	55	41	33	27	53	40	33	27	39	32	27	37	31	26	36	30	26	24
10	51	38	30	25	50	37	30	25	36	29	24	35	28	24	33	28	24	22

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	17204	17204	17204
5°	17322	16919	16945
10°	17251	16736	16732
15°	17121	16524	16493
20°	16945	16268	16211
25°	16743	15987	15879
30°	16468	15700	15572
35°	16192	15365	15251
40°	15887	14993	14890
45°	15501	14626	14470
50°	15129	14207	14085
55°	14669	13688	13551
60°	14151	13095	13027
65°	13600	12388	12303
70°	12658	11499	11553
75°	11521	10453	10653
80°	9845	9062	9659
85°	7747	7858	8490



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	151.6	3.0
10°-20°	434.9	8.6
20°-30°	659.1	13.0
30°-40°	795.7	15.7
40°-50°	830.9	16.4
50°-60°	763.4	15.0
60°-70°	603.6	11.9
70°-80°	382.0	7.5
80°-90°	164.2	3.2
90°-100°	72.3	1.4
100°-110°	64.7	1.3
110°-120°	54.6	1.1
120°-130°	42.6	0.8
130°-140°	29.5	0.6
140°-150°	17.7	0.3
150°-160°	8.6	0.2
160°-170°	3.0	0.1
170°-180°	0.4	0.0
0°-30°	1245.7	24.5
0°-40°	2041.4	40.2
0°-60°	3635.7	71.6
0°-90°	4785.6	94.2
90°-120°	191.6	3.8
90°-150°	281.4	5.5
90°-180°	294.0	5.8
0°-180°	5079.1	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	1598	1598	1598	1598	1598	
5°	1605	1600	1583	1596	1591	152
15°	1541	1541	1533	1549	1546	435
25°	1417	1423	1425	1444	1441	652
35°	1241	1256	1272	1292	1296	776
45°	1029	1054	1081	1102	1109	795
55°	793	826	860	888	894	710
65°	546	576	617	646	656	538
75°	288	322	369	400	416	305
85°	70	108	155	188	200	78
90°	4	39	79	111	122	6
95°	1	33	72	101	112	1
105°	1	31	68	94	104	1
115°	1	26	61	85	94	1
125°	2	23	51	74	82	2
135°	2	18	41	58	66	1
145°	2	14	29	44	49	1
155°	2	9	19	28	33	1
165°	3	6	10	14	19	1
175°	3	4	4	4	3	0
180°	3	3	3	3	3	



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	1598.3	1598.3	1598.3	1598.3	1598.3
2.5°	1610.0	1604.6	1586.6	1599.2	1592.9
5°	1604.6	1600.1	1583.0	1596.5	1591.1
7.5°	1594.7	1591.1	1575.8	1590.2	1584.8
10°	1581.2	1578.5	1565.0	1579.4	1575.8
12.5°	1564.1	1563.2	1549.7	1565.9	1563.2
15°	1540.7	1540.7	1532.6	1548.8	1546.1
17.5°	1515.5	1516.4	1510.1	1527.2	1525.4
20°	1484.9	1489.4	1484.9	1502.9	1501.1
22.5°	1451.7	1458.0	1456.2	1474.1	1475.0
25°	1416.6	1422.9	1424.7	1443.6	1440.9
27.5°	1377.9	1387.8	1391.4	1408.5	1407.6
30°	1332.9	1346.4	1354.5	1368.9	1373.4
32.5°	1287.1	1303.3	1313.2	1332.9	1338.3
35°	1241.2	1255.6	1271.8	1291.6	1296.1
37.5°	1190.8	1207.0	1228.6	1247.5	1252.9
40°	1140.5	1158.5	1179.1	1199.8	1207.9
42.5°	1088.3	1107.2	1129.7	1154.0	1162.0
45°	1028.9	1054.1	1081.1	1101.8	1109.0
47.5°	972.3	1000.2	1028.9	1051.4	1059.5
50°	914.7	944.4	975.0	995.7	1008.2
52.5°	854.4	886.8	917.4	943.5	951.6
55°	793.3	825.7	859.8	887.7	894.0
57.5°	733.9	765.4	799.6	825.7	838.3
60°	669.2	703.3	740.2	766.3	779.8
62.5°	606.2	639.5	679.1	706.9	717.7
65°	545.9	576.5	617.0	645.8	655.7
67.5°	479.4	514.5	553.1	586.4	599.0
70°	413.7	447.0	491.1	522.6	535.2
72.5°	352.6	385.0	429.0	460.5	472.2
75°	287.8	322.0	368.8	400.2	415.5
77.5°	225.8	263.5	308.5	342.7	359.8
80°	168.2	201.5	250.0	287.8	303.1
82.5°	114.2	150.2	200.6	235.6	252.7
85°	70.2	107.9	154.7	188.0	199.7
87.5°	33.3	69.3	112.4	144.8	159.2
90°	4.5	38.7	79.1	110.6	122.3
92.5°	0.9	33.3	72.9	102.5	113.3
95°	0.9	33.3	72.0	100.7	111.5
97.5°	0.9	32.4	71.1	99.8	109.7
100°	0.9	31.5	70.2	98.0	108.8
102.5°	0.9	31.5	68.4	96.2	106.1
105°	0.9	30.6	67.5	94.4	104.3
107.5°	0.9	29.7	65.7	92.6	102.5
110°	0.9	27.9	64.8	89.9	99.8



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.9	27.0	63.0	88.1	97.1
115°	0.9	26.1	61.2	85.4	94.4
117.5°	0.9	25.2	58.5	82.7	91.7
120°	1.8	25.2	56.7	80.0	88.1
122.5°	1.8	24.3	54.0	76.5	84.5
125°	1.8	23.4	51.3	73.8	81.8
127.5°	1.8	22.5	48.6	70.2	77.3
130°	1.8	20.7	46.8	66.6	73.8
132.5°	1.8	19.8	44.1	62.1	69.3
135°	1.8	18.0	41.4	58.5	65.7
137.5°	1.8	17.1	38.7	54.9	61.2
140°	1.8	16.2	35.1	51.3	57.6
142.5°	1.8	14.4	32.4	47.7	53.1
145°	1.8	13.5	28.8	44.1	48.6
147.5°	1.8	11.7	26.1	40.5	45.0
150°	1.8	10.8	23.4	36.9	41.4
152.5°	1.8	9.9	20.7	32.4	36.9
155°	1.8	9.0	18.9	27.9	33.3
157.5°	1.8	8.1	16.2	24.3	29.7
160°	2.7	7.2	14.4	20.7	25.2
162.5°	2.7	6.3	11.7	17.1	22.5
165°	2.7	6.3	9.9	13.5	18.9
167.5°	2.7	5.4	8.1	10.8	15.3
170°	2.7	4.5	7.2	8.1	11.7
172.5°	2.7	3.6	5.4	5.4	6.3
175°	2.7	3.6	4.5	4.5	2.7
177.5°	2.7	2.7	2.7	2.7	1.8
180°	2.7	2.7	2.7	2.7	2.7

(END OF REPORT)